

Appl. No. : 09/581,651
Filed : October 10, 2000

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A An isolated recombinant polynucleotide encoding a polypeptide comprising the amino acid sequence of SEQ ID NO: 2 or a polynucleotide with at least 90% homology thereto encoding a polypeptide comprising the amino acid sequence of VSIPPRNLGY (SEQ ID NO: 41),

wherein the polynucleotide has the following characteristics:

(a) the polypeptide it encodes has at least 30% of the migration stimulation factor activity of a polypeptide having the amino acid sequence of SEQ ID NO:2, wherein migration stimulation factor activity refers to the ability to stimulate adult skin fibroblast migration into a collagen gel; and

(b) the polypeptide it encodes elicits antibodies that recognize migration stimulation factor a polypeptide having the amino acid sequence of SEQ ID NO: 2, but do not recognize fibronectin.

2. (Canceled)

3. (Canceled)

4. (Currently amended) A An isolated recombinant polynucleotide comprising the polynucleotide sequence of SEQ ID NO: 3.

5. (Currently amended) A An isolated recombinant polynucleotide comprising the polynucleotide sequence set forth in SEQ ID NO: 3 at positions 57 through 1982.

6. (Canceled)

7. (Currently amended) A An isolated replicable vector comprising a polynucleotide as defined in Claim 1.

8. (Previously presented) An isolated host cell comprising a recombinant polynucleotide as defined in Claim 1.

9. (Currently amended) A method of making a polypeptide having at least 30% of the migration stimulation factor activity of the polypeptide having the amino acid sequence of SEQ ID NO: 2 comprising transfecting a host cell with an isolated recombinant polynucleotide according to claim 1, culturing a said host cell comprising a polynucleotide according to Claim 1 and isolating the polypeptide encoded by said polynucleotide, wherein migration stimulation factor activity refers to the ability to stimulate adult skin fibroblast migration into a collagen gel.

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Claims 10-28 (Canceled)

29. (Previously presented) A molecule which is a peptide consisting of a sequence selected from the group consisting of SEQ ID NO: 5, SEQ ID NO: 6, SEQ ID NO: 7, SEQ ID NO: 8, and SEQ ID NO: 9.

Claims 30-59. (Canceled)

60. (Previously presented) An isolated host cell comprising a replicable vector according to Claim 7.

61. (Currently amended) A method of making a polypeptide having at least 30% of the migration stimulation factor activity of the polypeptide having the amino acid sequence of SEQ ID NO: 2, comprising culturing a host cell according to Claim 60, and isolating the polypeptide encoded by the polynucleotide according to claim 1, wherein migration stimulation factor activity refers to the ability to stimulate adult skin fibroblast migration into a collagen gel.